

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (previously presented) A method for analyzing machine data, the machine data representing at least one condition of a machine, comprising the steps of:
storing said machine data in a data system;
defining a testing procedure by selecting from a plurality of pre-defined owner inputs each associated with one or more diagnostic processes, wherein at least one of the owner inputs is associated with one or more diagnostic processes that are different from the one or more diagnostic processes with which at least one of the other owner inputs is associated;
processing said machine data based on said testing procedure to determine a machine exception; and
generating a notification in the event of a machine exception;
wherein defining the testing procedure includes conditioning at least one diagnostic process to execute automatically based on the results of at least one other diagnostic process.
2. (original) The method, as set forth in claim 1, wherein said pre-defined owner input comprises a selected test and defined parameters for said test.

3. (original) The method, as set forth in claim 1, wherein said notification is relayed to a notification device.
4. (original) The method, as set forth in claim 3, wherein said notification device is a hand held communications device.
5. (previously presented) The method, as set forth in claim 1, wherein said testing procedure is run on a sequencer.
6. (original) The method, as set forth in claim 1, wherein said storing step comprises the steps of:
storing said machine data on said machine in packets; and
transferring said packets via a communications network to said data system.
7. (original) The method, as set forth in claim 1, wherein said storing step includes the step of:
streaming said machine data from said machine to said data system via a communications network.
8. (previously presented) A system for analyzing machine data, the machine data representing at least one condition of a machine, comprising:
a data system configured to store machine data;

an owner input device configured to accept a plurality of different owner inputs, each associated with one or more diagnostic processes, wherein at least one of the owner inputs is associated with one or more diagnostic processes that are different from the one or more diagnostic processes with which at least one of the other owner inputs is associated; and

an analyzer configured to accept a procedure selected by an owner from said plurality of owner inputs, process said machine data based upon said procedure to determine a machine exception, and generate a notification in the event of a machine exception;

wherein the analyzer is configurable to execute at least one diagnostic process automatically based on the results of at least one other diagnostic process.

9. (original) The system, as set forth in claim 8, further comprising:
a communications network for relaying said machine data from said machine to said data system.

10. (original) The system, as set forth in claim 9, wherein said communications network comprises wireless communication means.

11. (original) The system, as set forth in claim 8, wherein said procedure comprises a test selected by said owner and at least one parameter defined by said owner and associated with said test.

12. (original) The system, as set forth in claim 9, further comprising:
a notification device for receiving said notification via said communications network.

13. (original) The system, as set forth in claim 12, wherein said notification device comprises a hand held communication device.

14. (previously presented) A method for analyzing machine data, the machine data representing at least one condition of a machine, comprising the steps of:
storing said machine data in a data system;
defining at least one testing procedure by selecting from a plurality of owner inputs, each associated with one or more diagnostic processes to be associated with said machine data, wherein at least one of the owner inputs is associated with one or more diagnostic processes that are different from the one or more diagnostic processes with which at least one of the other owner inputs is associated;
processing said machine data based upon said procedure;
determining a machine exception from said procedure; and
generating a report in the event of a machine exception;
wherein said defining step includes the steps of:
selecting at least one test to be associated with said machine data;
defining at least one parameter associated with said at least one test;

defining at least two limits for the at least one parameter, wherein machine data that exceeds at least one of the limits is considered a machine exception; and

wherein said processing step includes running said at least one test in relation to said machine data.

15. (canceled)

16. (original) The method, as set forth in claim 14, wherein said processing step is performed by an analyzer based upon said procedure which is defined by an owner.

17. (previously presented) A system for analyzing machine data, the machine data representing at least one condition of a machine, comprising:

a data system configured to store machine data; and

an owner input device configured to accept a plurality of different owner inputs, each associated with one or more diagnostic processes, wherein at least one of the owner inputs is associated with one or more diagnostic processes that are different from the one or more diagnostic processes with which at least one of the other owner inputs is associated;

wherein the owner input device is configured to accept owner input to:

select at least one test to be associated with said machine data;

define at least one parameter associated with said at least one test;

define at least two limits for the at least one parameter, wherein
machine data that exceeds at least one of the limits is considered a machine exception;
and

an analyzer configured to accept a procedure selected by an owner from
said plurality of owner inputs, said analyzer configured to process said machine data
based upon said procedure to determine a machine exception and generate a report in
the event of a machine exception.

18. (original) The system, as set forth in claim 17, further comprising:
a communications network for relaying said machine data from said
machine to said data system.

19. (original) The system, as set forth in claim 17, wherein said
procedure is comprised of at least one test selected by said owner, said test having at
least one associated parameter defined by said owner.

20-29. (canceled)